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The Geological Society of America.—December 29, 31. President, Professor Samuel Calvin, University of Iowa; secretary, Dr. E. O. Hovey, American Museum of Natural History, New York City.

The Association of American Geographers.—January 1, 2. President, Dr. G. K. Gilbert, U. S. Geological Survey; secretary, Professor Albert P. Brigham, Colgate University, Hamilton, N. Y.

The American Society of Vertebrate Paleontologists.—December 28-30. President, Professor Richard Swan Lull, Yale University; secretary, Dr. W. D. Matthew, American Museum of Natural History, New York City.

The American Society of Biological Chemists.—December 28-30. President, Professor John J. Abel, The Johns Hopkins University; secretary, Professor William J. Gies, 437 West 59th St., New York City.

The American Physiological Society.—December 29-31. President, Professor W. H. Howell, Johns Hopkins University; secretary, Dr. Reid Hunt, Hygienic Laboratory, 25th and E Sts., N. W., Washington, D. C.

The Association of American Anatomists.—December 29-31. President, Professor J. Playfair McMurrich, University of Toronto; secretary, Professor G. Carl Huber, 1330 Hill St., Ann Arbor, Mich.

The Society of American Bacteriologists.—December 28—January 2. Vice-president, Professor H. L. Russell, University of Wisconsin; secretary, Dr. Norman MacL. Harris, University of Chicago, Chicago, Ill.

The American Society of Zoologists.—Eastern Branch, December 29-31. President, Professor William Morton Wheeler, Harvard University; secretary, Dr. Lorande Loss Woodruff, Yale University, New Haven, Conn. *Central Branch*, December 28-30. President, Professor E. A. Birge, University of Wisconsin; acting secretary, Professor Thomas G. Lee, University of Minnesota, Minneapolis, Minn.

The Entomological Society of America.—December 29, 30. President, Professor W. M. Wheeler, Harvard University; secretary, J. Chester Bradley, Cornell University, Ithaca, N. Y.

The Association of Economic Entomologists.—December 28, 29. President, Professor S. A. Forbes, University of Illinois; secretary, A. F. Burgess, Washington, D. C.

The Botanical Society of America.—December 29-31. President, Professor W. F. Ganong, Smith College, Northampton, Mass.; secretary, Professor

D. S. Johnson, Johns Hopkins University, Baltimore, Md.

American Nature Study Society.—December 30, 31. President, Professor L. H. Bailey, Cornell University; secretary, Professor M. A. Bigelow, Teachers College, Columbia University, New York City.

Sullivant Moss Chapter.—President, Dr. T. C. Frye, Seattle, Wash.; secretary, Mr. N. L. T. Nelson, St. Louis, Mo. Address: Mrs. Annie Morrill Smith, 78 Orange St., Brooklyn, N. Y.

Wild Flower Preservation Society.—President, Professor Chas. E. Bessey; secretary, Dr. Charles Louis Pollard, New Brighton, N. Y.

The American Psychological Association.—December 29-31. President, Professor G. M. Stratton, University of California; secretary, Professor A. H. Pierce, Smith College, Northampton, Mass.

The American Philosophical Association.—December 29-31. President, Professor Hugo Münsterberg, Harvard University; secretary, Professor Frank Thilly, Cornell University, Ithaca, N. Y.

Southern Society for Philosophy and Psychology.—Convocation week. President, Professor J. MacBride Sterrett, The George Washington University; secretary, Professor Edward Franklin Buchner, The Johns Hopkins University, Baltimore, Md.

The American Anthropological Association.—December 28—January 2. President, Professor Franz Boas, Columbia University; secretary, Dr. Geo. Grant MacCurdy, Yale University, New Haven, Conn.

The American Folk-lore Society.—Week of December 28. President, Professor Roland B. Dixon, Harvard University; secretary, Dr. Alfred M. Tozzer, Harvard University, Cambridge, Mass.

THE AMERICAN MINING CONGRESS

THE eleventh annual session of the American Mining Congress meeting this week at Pittsburgh, Pa., has the following preliminary program:

Addresses of welcome and responses.

Report of Committee on Alaskan Mining Laws, Hon. James J. Godfrey, Seattle, Wash.

Report of Committee on Vertical Side Line Law, Dr. John A. Church, New York City.

Report of Committee on Prevention of Mine Accidents, Dr. H. Foster Bain, Urbana, Ill.

Report of Committee on Protection Against Mining Frauds, Mr. C. J. Downey, Denver, Colo.

Report of Committee on General Revision of

Mining Laws, Dr. W. R. Ingalls, New York City.

Report of Committee on Smelter Rates, Hon. E. A. Colburn, Denver, Colo.

Report of Committee on Investigation of the National Forest Service and its Effects upon the Mining Industry, Colonel A. G. Brownlee, Denver, Colo.

"The Mineral Resources of Arkansas," A. W. Estes, Yellville, Ark.

Annual address of the president, Hon. J. H. Richards.

Reception to delegates and members by the citizens of Pittsburgh.

"Conservation in the Coal Industry. Protection of Life and Prevention of Waste," John Mitchell, Indianapolis, Ind.; G. W. Traer, Chicago, Ill.; J. B. Zerbe, Cleveland, O.; J. V. Thompson, Uniontown, Pa.

"Formal Opening of the Government Stations for Investigation of Mine Explosions," Hon. James R. Garfield, Washington, D. C.; Hon. O. W. Underwood, Birmingham, Ala.

"Brief Statement concerning the Government Work for Greater Safety in Mining" (illustrated), Dr. J. A. Holmes, Washington, D. C.

"Work of the Government of the United States for the Mining Industry," Hon. James R. Garfield, Secretary of the Interior, Washington, D. C.

"Arbitration as a Factor in the Mining Industry," Mr. Thomas L. Lewis, Bridgeport, Ohio.

"The Federal and States Governments in their Relation to the Mining Industry," Senator Charles Dick, Akron, Ohio; Congressman George F. Huff, Uniontown, Pa.; Thos. L. Lewis, Bridgeport, Ohio; George H. Harrison, Columbus, Ohio.

"The Mining Industry as influenced by Transportation," E. H. Harriman, New York City; Dr. James Douglas, New York City; Wm. G. Mather, Cleveland, Ohio; Alexander Dempster, Pittsburgh, Pa.

"The Distribution of the Nation's Mineral Wealth" (illustrated with lantern slides), Dr. George Otis Smith, Director U. S. Geological Survey, Washington, D. C.

"Alaska and Its Mineral Resources," Dr. A. H. Brooks, Chief Alaska Division, U. S. Geological Survey, Washington, D. C.

"Nevada and Its Mining Industry."

"Utah's New Developments in Mining," Duncan MacVie, Salt Lake City, Utah.

"Mining and the Mineral Resources of Arizona," Colonel Frank Cox.

"The New Mining Industry—The Rare Metals," Dr. Herman Fleck, Professor of Mining Engineer-

ing, Colorado School of Mines, Golden, Colorado.

"Secondary Mining Education," H. H. Stoek, editor *Mines and Minerals*, Scranton, Pa.

"The Iron and Steel Industry," Hon. Elbert H. Gary.

"The Mineral Resources of Virginia," E. A. Shubert, Roanoke, Va.

"A Tariff Duty on Zinc Ores," S. Duffield Mitchell, Carthage, Mo.

"The Barren Zone of the Appalachian Coal Field," Dr. I. C. White, State Geologist, Morgantown, W. Va.

THE AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

A MEETING of the institute is to be held in Pittsburgh, December 28 and 29, in the buildings of the Carnegie Technical Schools. Papers of general chemical engineering interest are to be presented; notable among these will be the first technical statement by the inventor, Mr. James Gayley, regarding the process for dehydrating air used in blast furnaces and other metallurgical apparatus. Other papers on the use of fuels and power production are to be presented. The measurement of high temperatures and dryer calculations and dryer designs are the subjects of two other important papers.

One feature of the Pittsburgh meeting will be the exhibition by manufacturers of novel plants and machinery, partly by drawing and partly by the actual installation for tests in the presence of the institute. These exhibitions and tests are in no way official in that the institute does not undertake to pass official judgment upon any of the exhibits, and are no more sanctioned or indorsed by the institute than technical papers presented to it would be, but are offered by the manufacturers as a method of acquainting those in charge of manufacturing operations with the latest and best machinery in the various lines.

Such an exhibit, however, should be an increasing source of breadth and education to the members, and the tests and discussions which will inevitably result from the special installation of machinery for this purpose should do much to unify the judgment of chemical engineers on the question of certain